PATENT COOPERATION TREATY

PCT

TRANSLATION INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

(Chapter II of the Patent Cooperation Treaty)

(PCT Article 36 and Rule 70)

Applican IH-1	nt's or agent's file reference 158	FOR FURTHER ACTIO	N	See Form PCT/IPEA/416		
Internation	onal application No.	International filing date (day	/month/year)	Priority date (day/month/year)		
PCT	/JP2005/002348	16.02.2005		17.02.2004		
International Patent Classification (IPC) or national classification and IPC						
C07C327/48(2006.01), A61K31/166(2006.01), A61K31/18(2006.01), A61K31/216(2006.01), A61K31/235(2006.01), A61K31/275(2006.01)						
Applicant Ishihara Sangyo Kaisha, Ltd.						
1.	1. This report is the international preliminary examination report, established by this International Preliminary Examining Authority under Article 35 and transmitted to the applicant according to Article 36.					
2.	This REPORT consists of a total of	6	_ sheets, includin	g this cover sheet.		
3.	This report is also accompanied by A	NNEXES, comprising:				
	a. (sent to the applicant and	l to the International Bureau) :	a total of	sheets, as follows:		
	sheets of the description, claims and/or drawings which have been amended and are the basis for this report and/or sheets containing rectifications authorized by this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions).					
	sheets which supersede earlier sheets, but which this Authority considers contain an amendment that goes beyond the disclosure in the international application as filed, as indicated in item 4 of Box No. I and the Supplemental Box.					
	b. (sent to the International Bureau only) a total of (indicate type and number of electronic carrier(s))					
, containing a sequence listing and/or tables						
related thereto, in computer readable form only, as indicated in the Supplemental Box Relating to Sequence Listing (see Section 802 of the Administrative Instructions).						
4.	This report contains indications relating to the following items:					
	Box No. I Basis of the	e report				
	Box No. II Priority					
	Box No. III Non-establ	ishment of opinion with regard	l to novelty, invent	ive step and industrial applicability		
	Box No. IV Lack of un	ity of invention				
	Box No. V Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement					
	Box No. VI Certain doo	cuments cited				
	Box No. VII Certain def	ects in the international applic	ation			
	Box No. VIII Certain observations on the international application					
Date of s	submission of the demand	Date o	of completion of th	is report		
Name and mailing address of the IPEA/JP			rized officer			
Faccimile	a No	Tolon	nana Na			

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

International application No.

PCT/JP2005/002348

Box	No. I	I Basis of the report				
1.		h regard to the language, this report is based on the internaticated under this item.	onal application in the language in which it was filed, unless otherwise			
		which is the language of a translation furnished for the puriod international search (Rule 12.3 and 23.1(b)) publication of the international application (Rule 12.5)	4)			
2.	rece	international preliminary examination (Rule 55.2 and/or 55.3) With regard to the elements of the international application, this report is based on (replacement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed" and are not annexed to this report): the international application as originally filed/furnished the description:				
		pages	as originally filed/furnished			
		•	received by this Authority on			
		pages*	received by this Authority on			
	Ш	the claims:	as originally filed/furnished			
		nos.*k	as amended (together with any statement) under Article 19			
			received by this Authority on			
			received by this Authority on			
	П	the drawings:				
		sheets	as originally filed/furnished			
			received by this Authority on			
			received by this Authority on			
	П	a sequence listing and/or any related table(s) – see Supple:				
2	\Box		nemar Box Remaining to bequence Listing.			
3.	ш	The amendments have resulted in the cancellation of:				
		the claims, nos.				
4	$\overline{}$		dments annexed to this report and listed below had not been made, since			
7.	Ш	they have been considered to go beyond the disclosure as	•			
		the description, pages				
		the claims, nos.				
		the drawings, sheets/figs				
		the sequence listing (specify):				
		any table(s) related to sequence listing (specify):				
*	If ite	em 4 applies, some or all of those sheets may be marked "su	perseded."			

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

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- 2. Citations and explanations (Rule 70.7)
 - Document 1: JP 2003-506466 A (Aventis Cropscience GmbH),

 18 February 2003, pages 4 to 8 & WO 01/11966

 A1 & EP 1204322 A1 & US 6630495 B1
 - Document 2: JP 2002-503723 A (Aventis Cropscience U. K. Ltd.) 05 February 2002, pages 5 to 9 and 36 to 38 & WO 99/42447 A1 & EP 1056723 A1 & US 6503933 B1
 - Document 3: JP 9-176100 A (Ube Industries, Ltd.), 08 July 1997, pages 5 to 11 & WO 97/15551 A1 & EP 866056 A1 & US 5977410 A
 - Document 4: JP 52-100476 A (F. Hoffman-La Roche & Co., AG.), 23 August 1977, claims & GB 1512194 A
 - Document 5: Nihon Kagaku Zasshi, 1969, Vol. 90, No. 10, pages 1051 to 1053
 - Document 6: JP 2002-338537 A (Mitsubishi Pharma Corp.), 27 November 2002, pages 4 to 8 (Family: none)

Claims 1 to 2 and 12 to 13

The inventions set forth in claims 1 to 2 and 12 to 13 lack novelty and do not involve an inventive step in the light of documents 1 to 5 cited in the international search report.

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Box No. V Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

In particular, documents 1 to 5 disclose 2-halogeno thiobenzoyl aminoalkyl compounds.

Claims 3 to 11

The inventions set forth in claims 3 to 11 are novel and involve an inventive step in relation to document 6 cited in the international search report.

In particular, document 6 does not disclose or suggest the use of 2-halogeno thiobenzoyl aminoalkyl compounds as cytokine production inhibitors.

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Supplemental Box

In case the space in any of the preceding boxes is not sufficient. Continuation of: Front page

International Patent Classification (IPC) or national classification and IPC:

A61K31/353 (2006.01), A61K31/41 (2006.01), A61K31/4164 (2006.01), A61K31/4184 (2006.01), A61K31/4192 (2006.01), A61K31/423 (2006.01), A61K31/426 (2006.01), A61K31/428 (2006.01), A61K31/437 (2006.01), A61K31/44 (2006.01), A61K31/4409 (2006.01), A61K31/4412 (2006.01), A61K31/443 (2006.01), A61K31/4439 (2006.01), A61K31/444 (2006.01), A61K31/4545 (2006.01), A61K31/455 (2006.01), A61K31/47 (2006.01), A61K31/4709 (2006.01), A61K31/4965 (2006.01), A61K31/50 (2006.01), A61K31/505 (2006.01), A61K31/517 (2006.01), A61K31/5377 (2006.01), A61K31/541 (2006.01), A61P3/10 (2006.01), A61P5/14 (2006.01), A61P11/02 (2006.01), A61P11/06 (2006.01), A61P17/00 (2006.01), A61P17/04 (2006.01), A61P19/02 (2006.01), A61P21/04 (2006.01), A61P25/00(2006.01), A61P27/14 (2006.01), A61P29/00 (2006.01), A61P37/02 (2006.01), A61P37/08 (2006.01), A61P43/00 (2006.01), C07D207/14 (2006.01), C07D209/14 (2006.01), C07D213/64 (2006.01), C07D213/68 (2006.01), C07D213/69 (2006.01), C07D213/70 (2006.01), C07D213/71 (2006.01), C07D213/73 (2006.01), C07D213/74 (2006.01), C07D213/75 (2006.01), C07D213/79 (2006.01), C07D213/82 (2006.01), C07D213/83 (2006.01), C07D213/89 (2006.01), C07D215/20 (2006.01), C07D215/22 (2006.01), C07D215/26 (2006.01), C07D231/42 (2006.01), C07D233/42 (2006.01), C07D235/08 (2006.01), C07D237/16 (2006.01), C07D239/34 (2006.01), C07D239/38 (2006.01), C07D239/42 (2006.01), C07D239/52 (2006.01), C07D239/60 (2006.01),

International application No.

PCT/JP2005/002348 Supplemental Box C07D239/88 (2006.01), C07D241/18 (2006.01), C07D249/20 (2006.01), C07D257/04 (2006.01), C07D263/58 (2006.01), C07D277/20 (2006.01), C07D277/36 (2006.01), C07D277/74 (2006.01), C07D311/46 (2006.01), C07D401/04 (2006.01), C07D401/12 (2006.01), C07D401/14 (2006.01), C07D405/12 (2006.01), C07D471/04 (2006.01)